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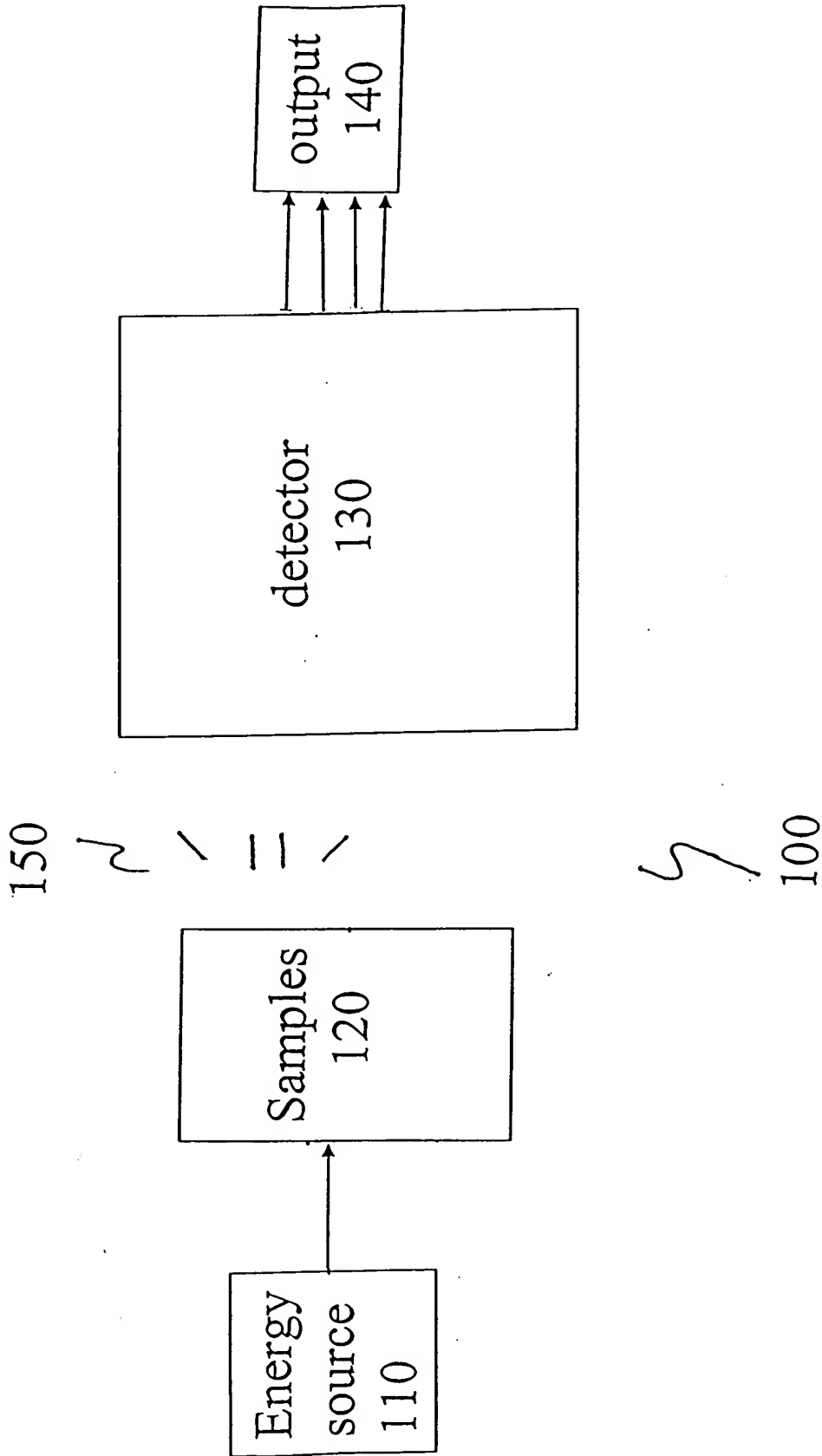


FIG. 1

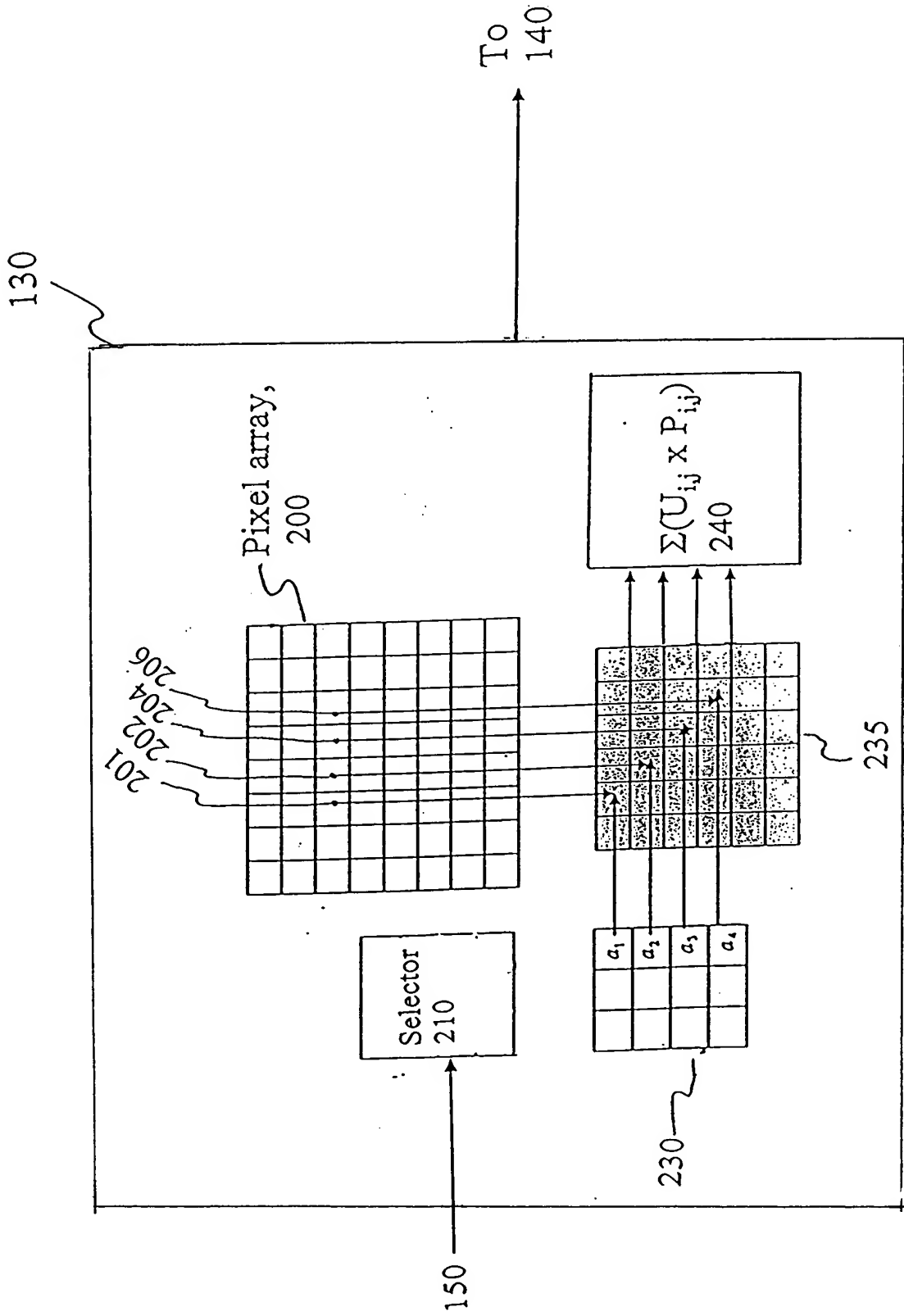


FIG. 2

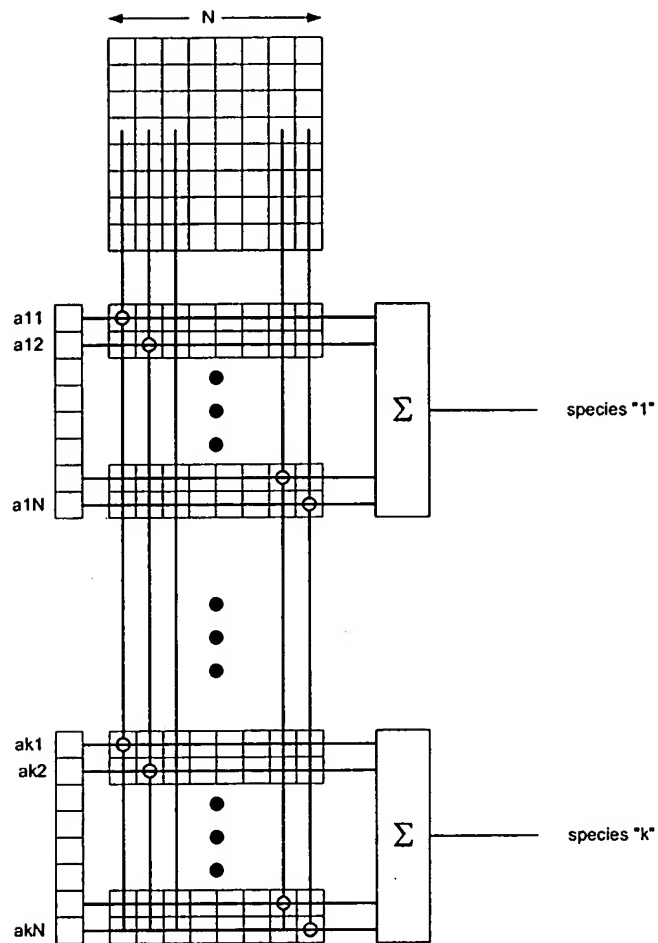


FIG. 3

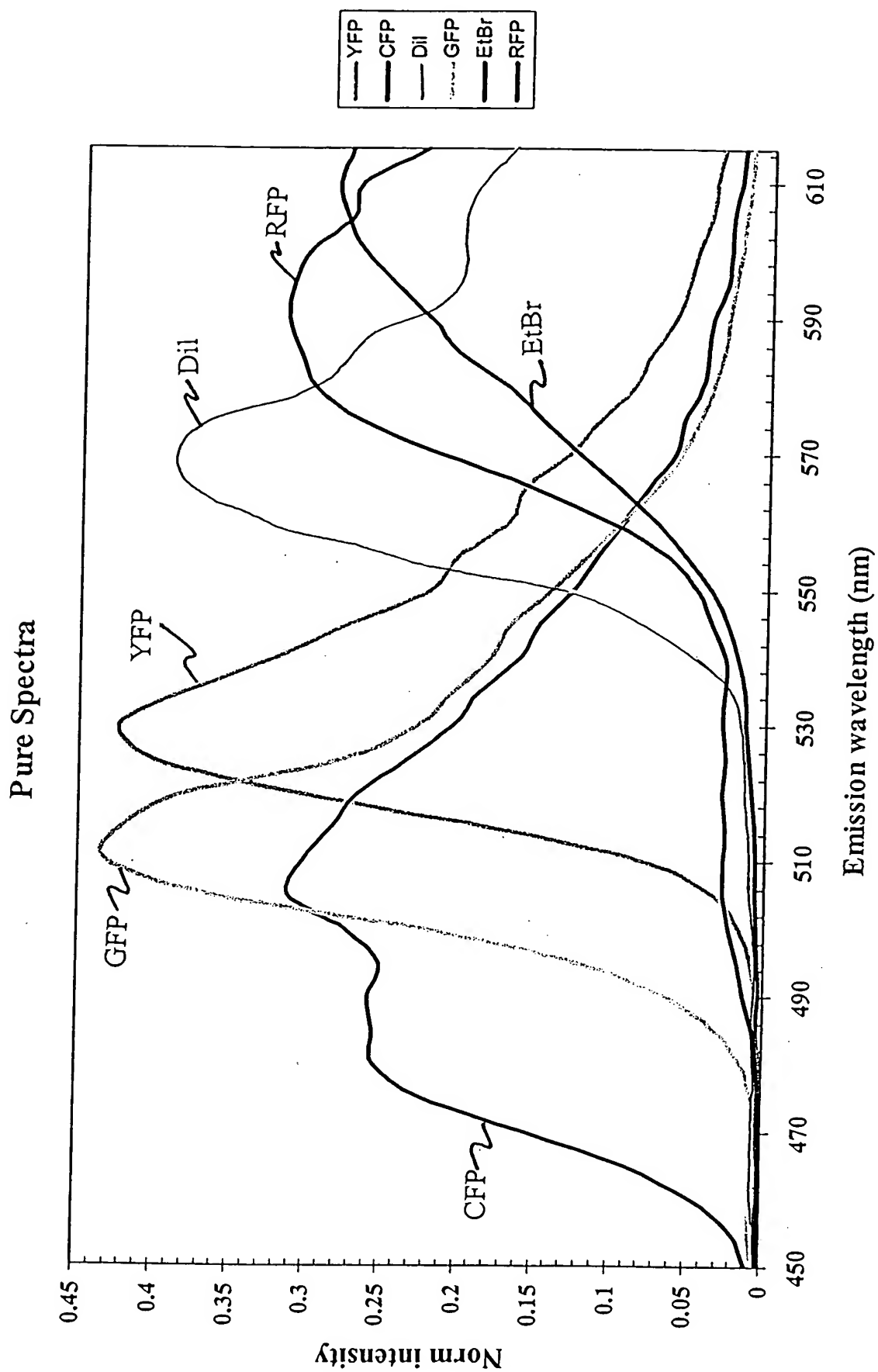


FIG. 4

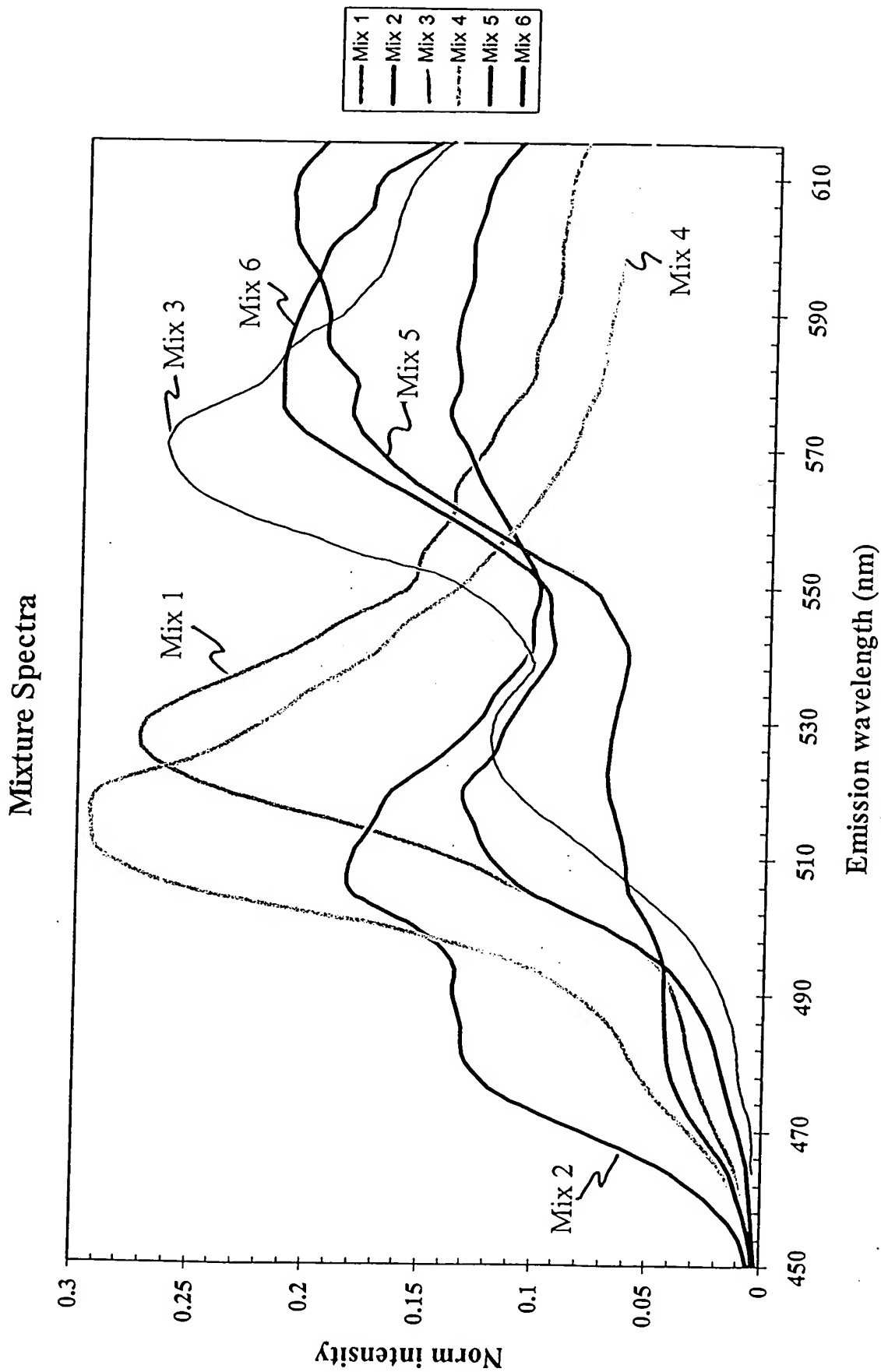


FIG 5A

Table 1. Synthetic Mixture Spectra

Synthetic Mixture Spectra													
% YFP	50	1	19	15	5	10	0	0.5	1	2	4	10	10
% CFP	10	50	1	19	15	5	10	10	10	10	10	10	10
% DII	5	10	50	1	19	15	10	10	10	10	10	10	10
% GFP	15	5	10	50	1	19	10	10	10	10	10	10	10
% EIBr	19	15	5	10	50	1	60	60	60	60	60	60	60
% RFP	1	19	15	5	10	50	10	9.5	9	8	6	0	0
Total	100	100	100	100	100	100	100	100	100	100	100	100	100
Mixture #	1	2	3	4	5	6	7	8	9	10	11	12	12

FIG. 5B

Fairly constant background concentrations

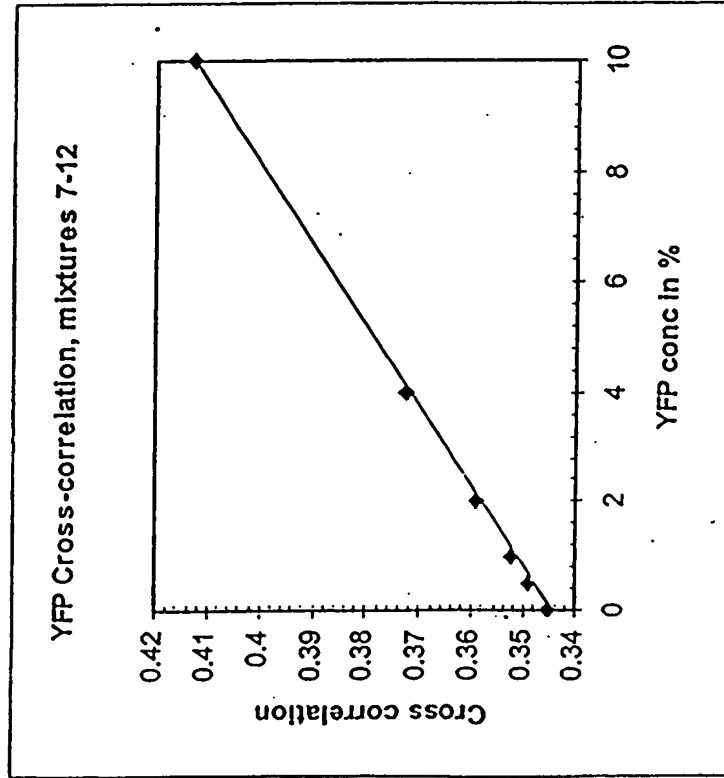


FIG. 6A

Varying background concentrations

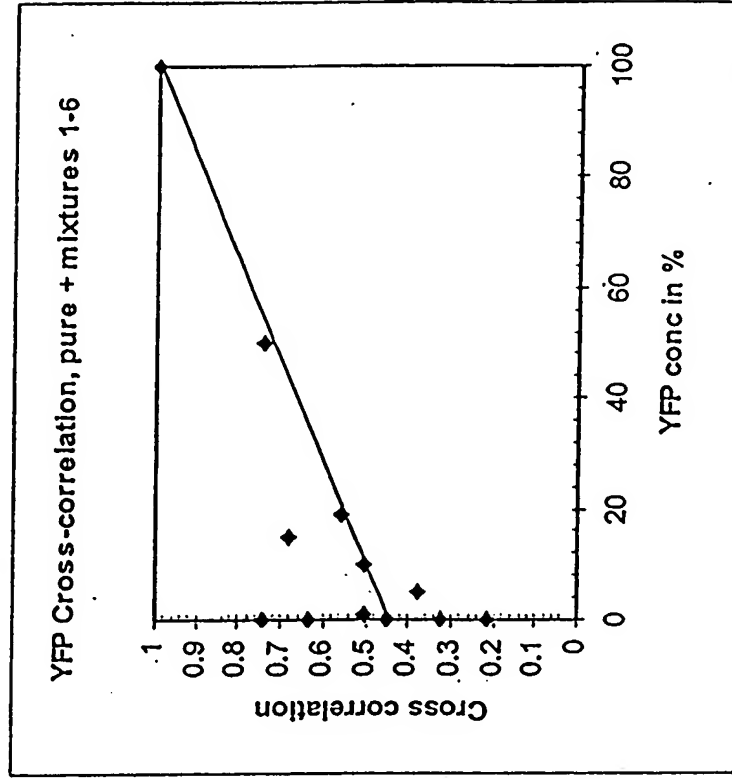


FIG. 6B

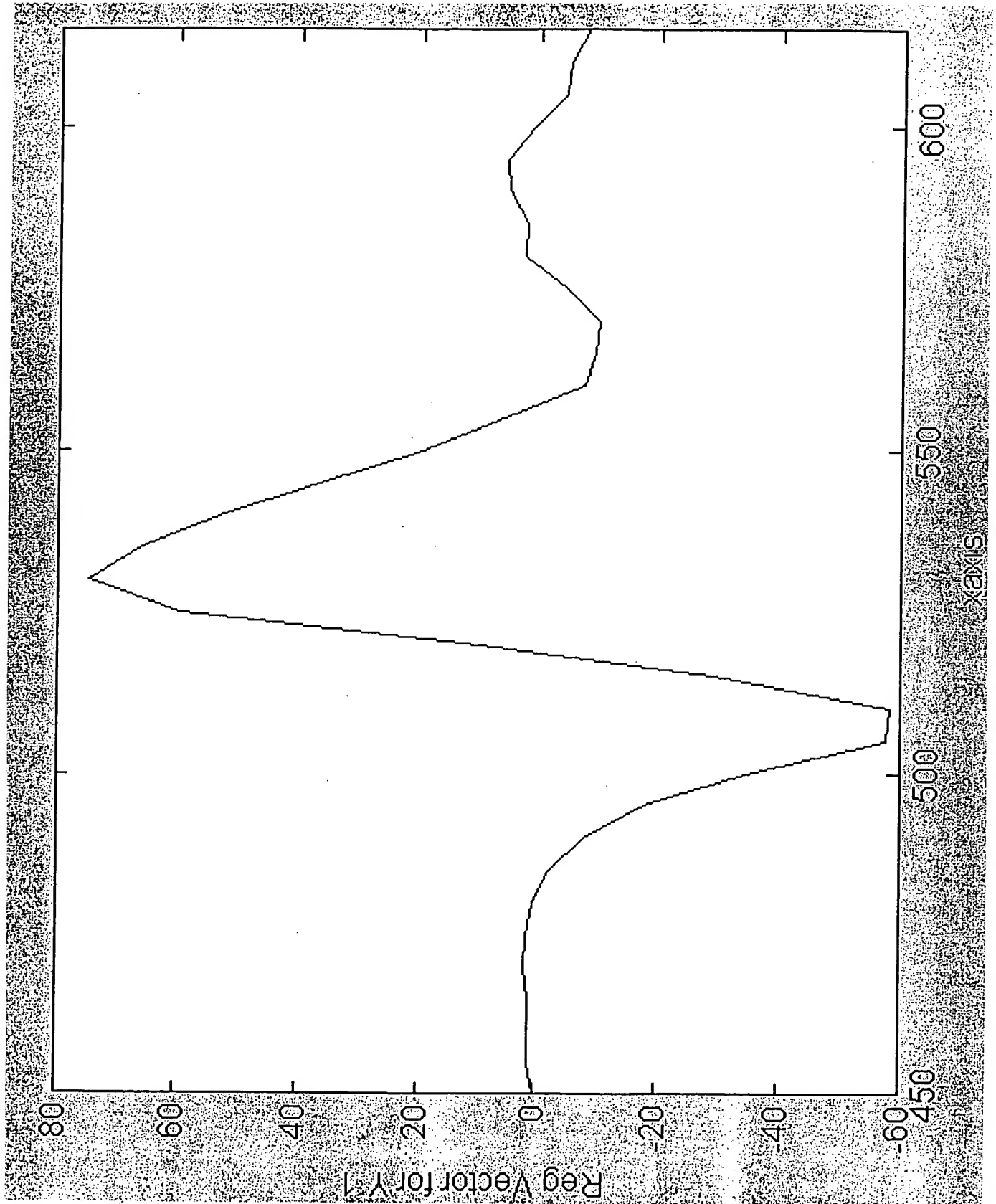


FIG. 7

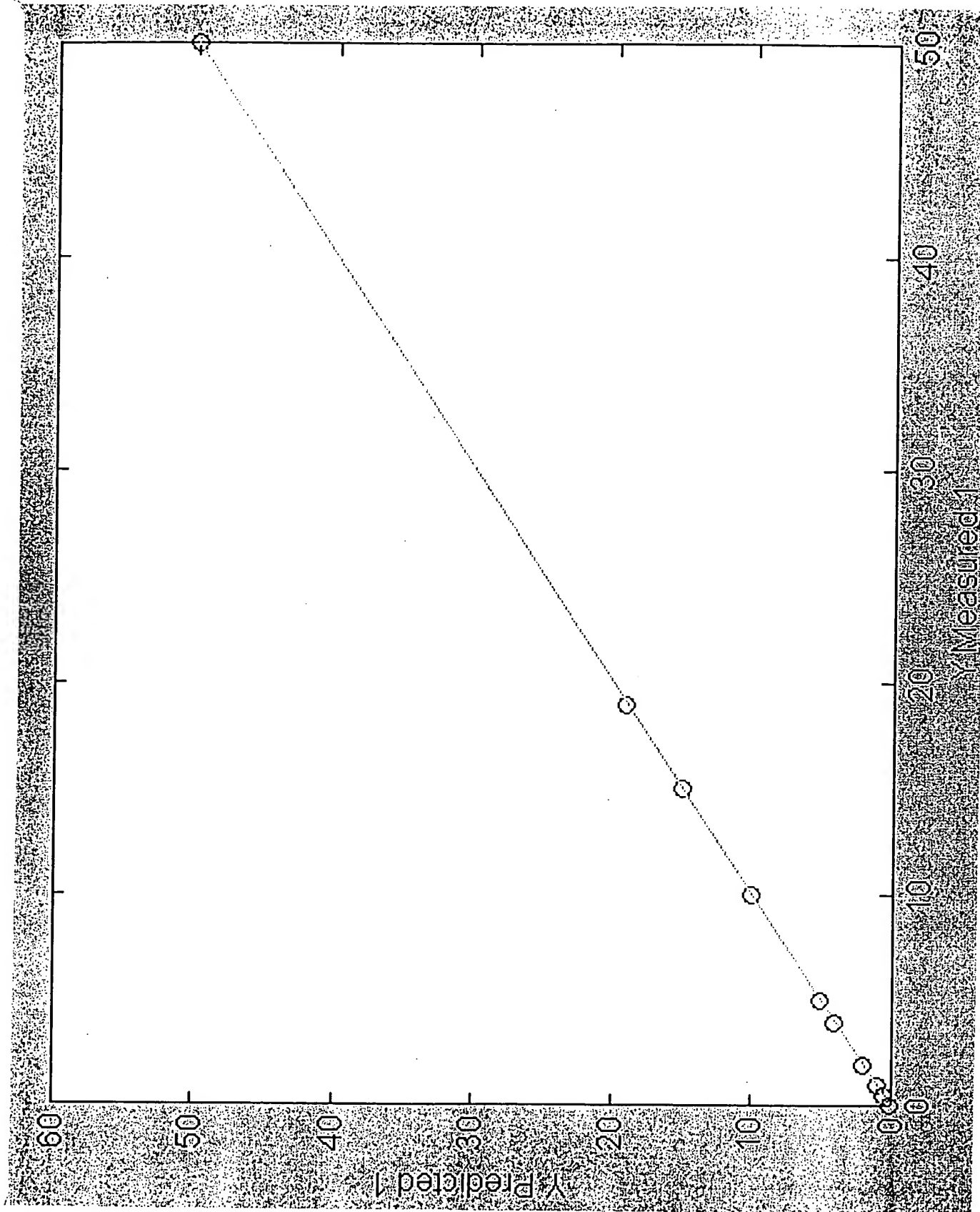
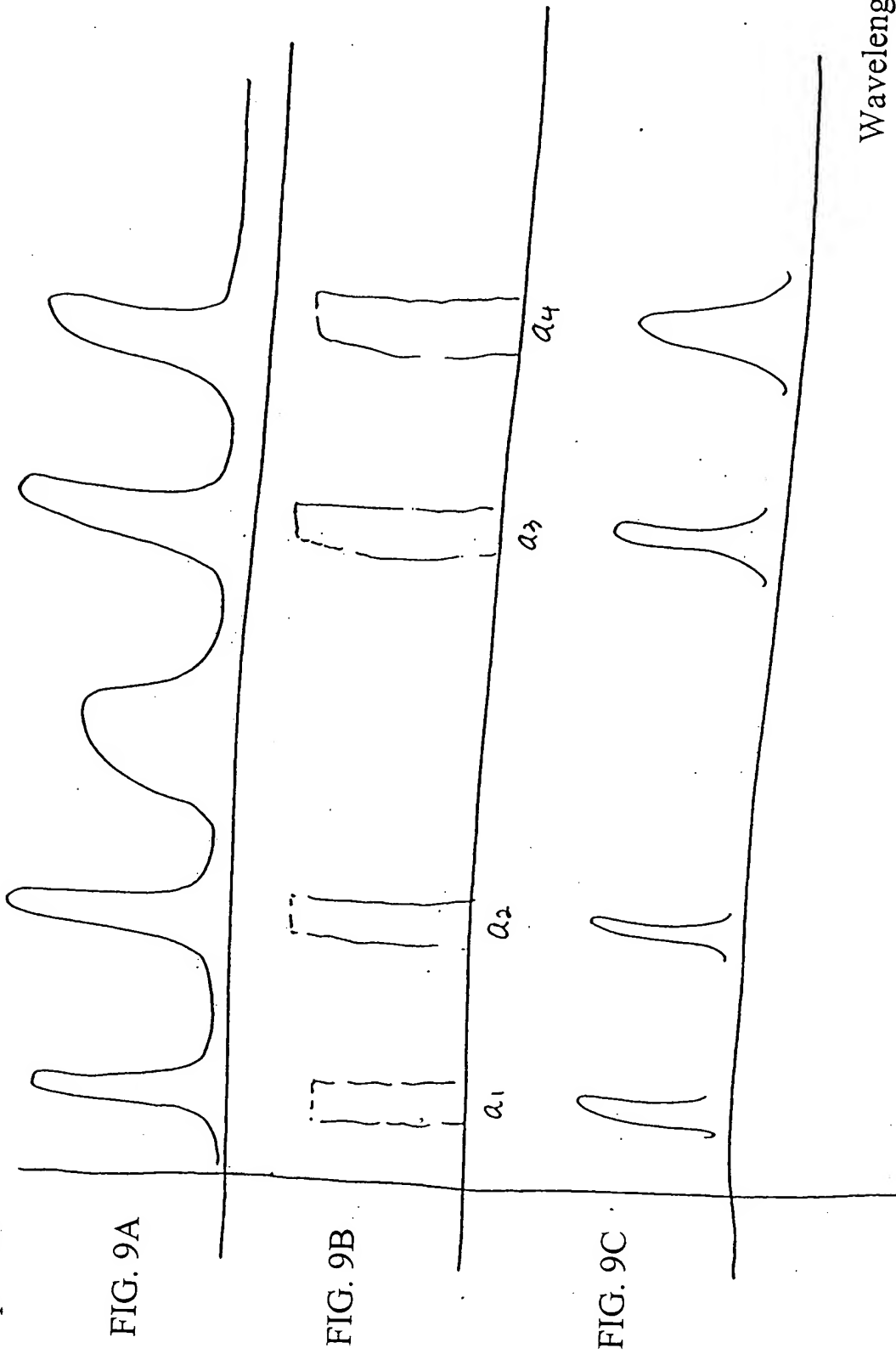


FIG. 8

Amplitude



Wavelength